BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Development of Secandry Drains in Ward No. 06**

Estimated Cost : **5.00 Lakhs**

Job Code: **006-20-000198**

Bruhat Bangalore Mahanagara Palike

Name of Work: Development of Secondary Drains in Ward No.06

					Estimate Cost Rs.			5.00 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Lead 10 km	**82.60**							
	Total	**273.40**							
	Desilting								
	Ambedkar colony dead end road	1	125.00	0.90	0.60	67.50			
	Ambedkar colony cross rd	1	88.00	0.60	0.35	18.48			
					Total	**85.98**			
						85.98	**Cum**	**273.40**	**23,506.93**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	Basic rate	5194.00							
	Area weightage 6%	311.64							
	Total	**5505.64**							
	PCC								
	Ambedkar colony cross rd	1	88	0.6	0.15	7.92			
					Total	**7.92**			
						7.92	**Cum**	**5505.64**	**43,604.67**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) wall & bottom thickness 15cm.								
	Basic rate	5444.00							
	Area weightage 6%	326.64							
	Total	**5770.64**							
	raft concrete								
	raft concrete for drain	1	88.00	0.60	0.15	7.92			
					Total	**7.92**			
						7.92	**Cum**	**5770.64**	**45,703.47**
4	KSRB 5-11 : Providing and constructing load bearing wall with having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 .-do- solid concrete blocks of size 400x150x200 mm (Page No.27. litem no.5.27.2 of KPWD S.R Bangalore Circle (2018-19)								
	Basic rate	953.00							
	Area weightage 6%	57.18							
	Total	**1010.18**							
	Flagging Course								
	Drain Walls	2	88.00		0.20	35.20			
	Ambedkar colony dead end road	2	125.00		0.20	50.00			
						85.20	**Sqm**	**1010.18**	**86,067.34**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	5283.00							
	Area weightage 6%	316.98							
	Total	**5599.98**							
	Coping for Flagging Course								
	Drain Walls	2.00	88.00	0.10	0.20	3.52			
	Ambedkar colony dead end road	2.00	125	0.10	0.20	5.00			
						8.52	**Cum**	**5599.98**	**47,711.83**
6	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	PCS SLAB								
	Ambedkar colony cross rd	1	88.00	0.60		52.80			
	Ambedkar colony dead end road	1	120.00	0.90		32.40			
						85.20	**Sqm**	**2337.00**	**199112.40**
								Total Construction Cost	**445706.64**
								12% GST	**53,484.80**
								Sub Total	**499191.43**
								Miscellaneous & Rounding off	**808.57**
								GRAND TOTAL	**500000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
BBMP Bangalore

Asst. Exec. Engineer,
BBMP Bangalore

Executive Engineer,
BBMP Bangalore

Administrative Approval

Accorded For R.S.S. Layout Ward
Head of A/C. P3297
CER NO :.21..... Dt:.09.11.2020

TA

CE (WNK)

TECHNICAL SANCTION

Accorded For Rs. 5.00 Lakhs only
Head of A/c. P3297
Div. Ref. No. 80 Date 01/12/2020

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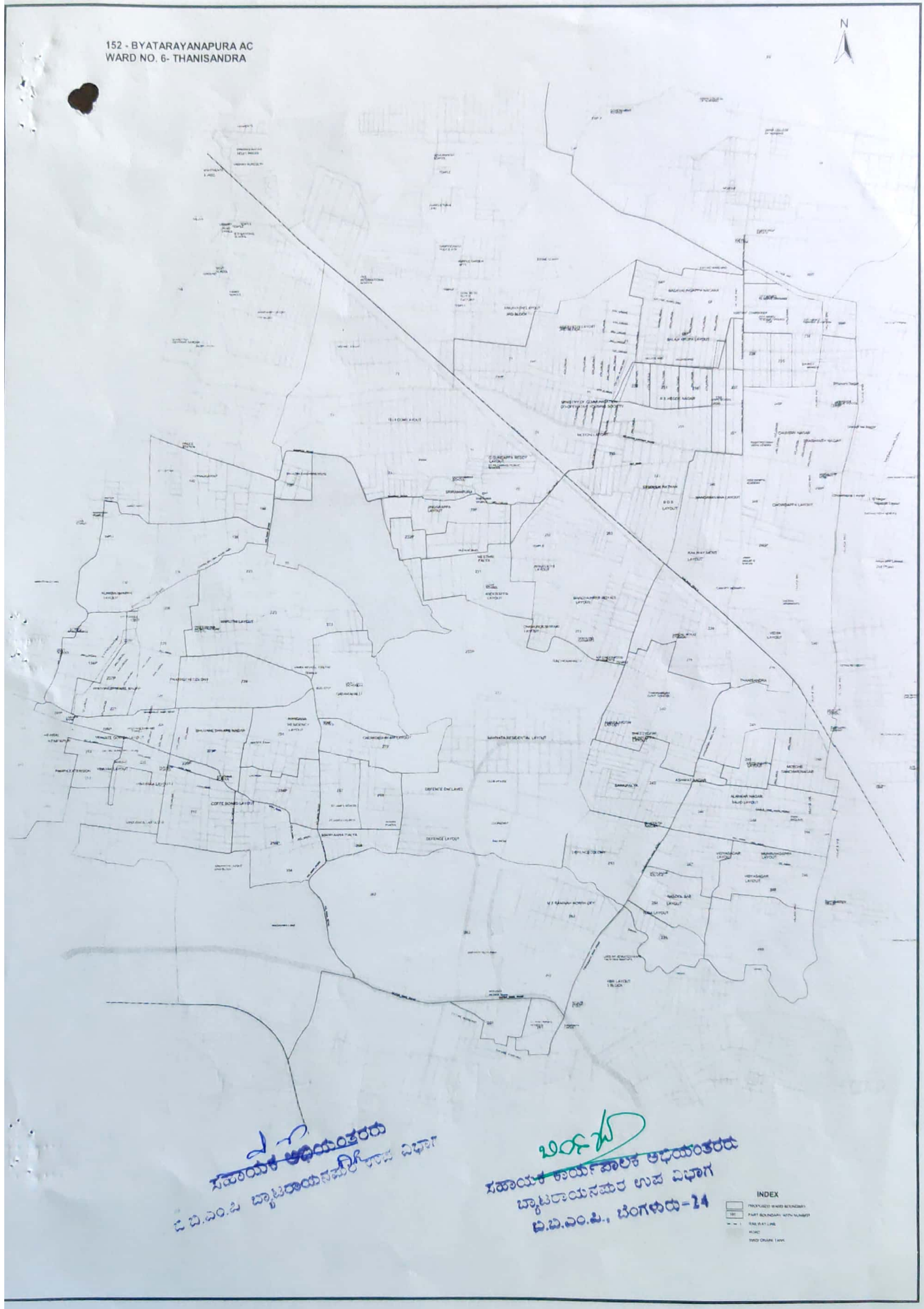
EE(BTP) 01/12

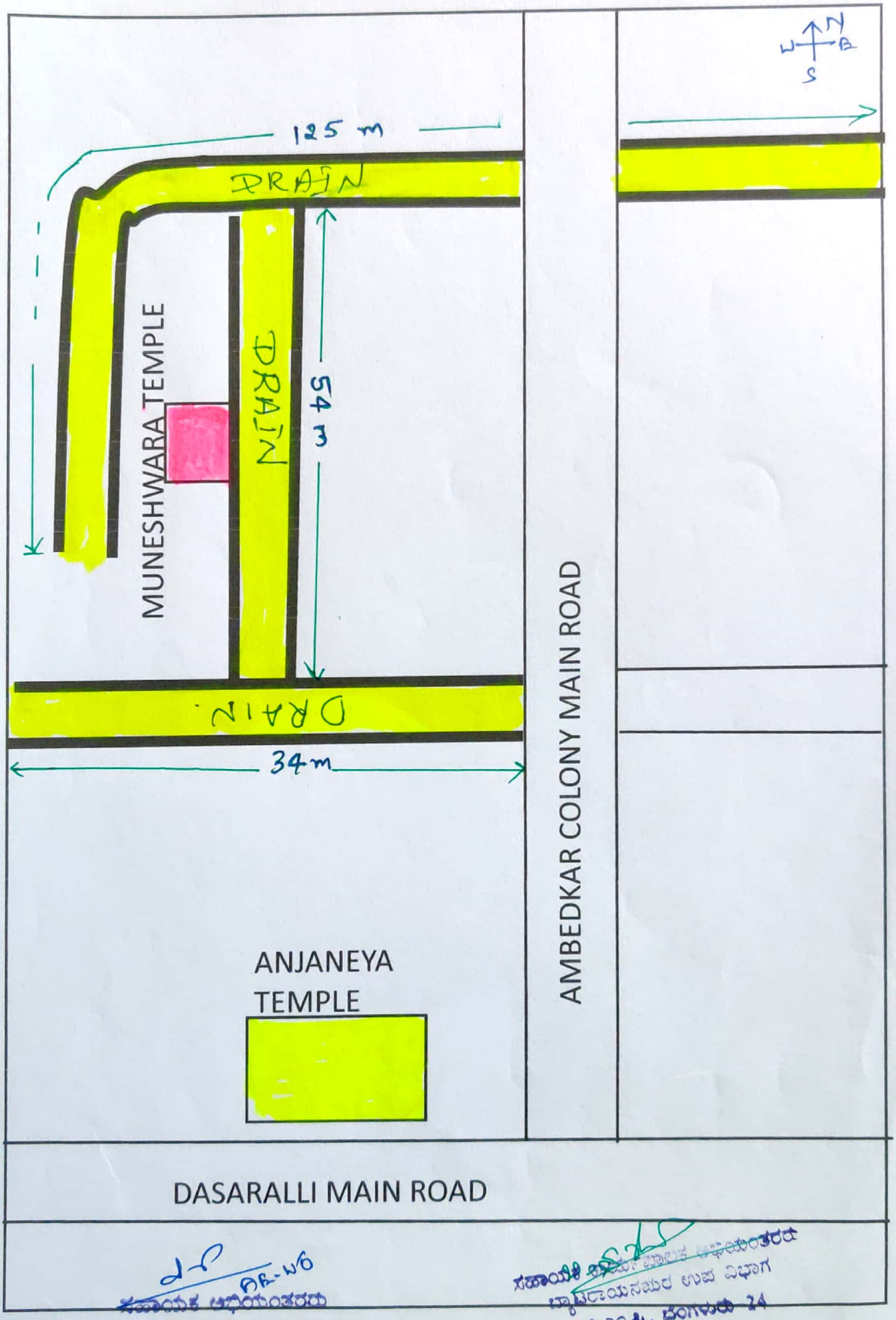
152 - BYATARAYANAPURA AC
WARD NO. 6- THANISANDRA



ಸಹಾಯಕ ಆಧಿಯಂತರರು
ಬ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Name of work: Development of Secondary Drains in Ward No.06



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